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                   Pre-IPC 8 Data Fields
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                   (1969-2009)
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                   in CA/CAplus, CASREACT,and MARPAT
 NEWS 15 JUN 21   Access an additional 1.8 million records exclusively
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 NEWS 16 JUN 28   Introducing "CAS Chemistry Research Report": 40 Years
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                   Patenting and Commercialization of Bioethanol
 NEWS 17 JUN 29   Enhanced Batch Search Options in DGENE, USGENE,
                   and PCTGEN
 NEWS 18 JUL 19   Enhancement of citation information in INPADOC
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 NEWS EXPRESS FEBRUARY 15 10 CURRENT WINDOWS VERSION IS V8.4.2,
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=> File MEDLINE, SCISEARCH, LIFESCI, BIOSIS, EMBASE, HCAPLUS, NTIS, ESBIOBASE,
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COST IN U.S. DOLLARS   SINCE FILE   TOTAL
                                                     ENTRY   SESSION
FULL ESTIMATED COST   0.22   0.22

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=> S akap18 (4A) (splice variant)
L1   13 AKAP18 (4A) (SPLICE VARIANT)

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=> S (protein kinase anchor protein)
L2          22 (PROTEIN KINASE ANCHOR PROTEIN)

=> S akap18 (4A) (splice variant) or (alternative splicing)
L3       94492 AKAP18 (4A) (SPLICE VARIANT) OR (ALTERNATIVE SPLICING)

=> S akap18 (4A) ((splice variant) or (alternative splicing))
L4          14 AKAP18 (4A) ((SPLICE VARIANT) OR (ALTERNATIVE SPLICING))

=> s l4 and l2
L5           1 L4 AND L2

=> d l5 bib ab

L5    ANSWER 1 OF 1  HCAPLUS  COPYRIGHT 2010 ACS on STN
AN    2004:220359  HCAPLUS
DN    140:249009
TI    AKAP18δ, a novel  splice variant of
      protein kinase A anchor protein AKAP18 and its use in screening for A
      kinase-AKAP18δ binding modulators
IN    Klussmann, Enno; Oksche, Alexander; Rosenthal, Walter
PA    Forschungsverbund Berlin E. V., Germany
SO    PCT Int. Appl., 67 pp.
      CODEN: PIXXD2
DT    Patent
LA    German
FAN.CNT 1
      PATENT NO.          KIND   DATE        APPLICATION NO.        DATE
      ---------------     ----   --------    -------------------    --------
PI    WO 2004022591       A1     20040318    WO 2003-EP9892         20030905
        W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
            CO, CR, CU, CZ, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM,
            HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS,
            LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG,
            PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR,
            TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
        RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
            KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,
            FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR,
            BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
      DE 10306085         A1     20040325    DE 2003-10306085       20030207
      DE 10306085         B4     20070111
      CA 2497254          A1     20040318    CA 2003-2497254        20030905
      AU 2003270149       A1     20040329    AU 2003-270149         20030905
      EP 1537142          A1     20050608    EP 2003-750490         20030905
        R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
            IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK
      JP 2006515743       T      20060608    JP 2004-533498         20030905
      US 20060154330      A1     20060713    US 2005-526768         20051107
PRAI  DE 2002-10244072    A      20020906
      DE 2003-10306085    A      20030207
      WO 2003-EP9892      W      20030905
ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
AB    The invention relates to a nucleic acid sequence coding for a protein
      kinase A anchor protein, to the use of said nucleic acid sequence in a
      fusion protein, to a method for determining the interaction of the protein
      kinase A anchor protein with regulatory subunits of the protein kinase A,
      and to a method for identifying cell-permeable substances.  Thus, a new
      splice variant of the human AKAP18 gene,
      AKAP18δ was identified.  The δ isoform is a 353-amino acid
```

protein which differs from the γ isoform by an addnl. 27 N-terminal
amino acids. AKAP18δ is found in aquaporin 2-containing intracellular
vesicles. Addnl., AKAP18δ is localized to Ca2+ channels in the
heart. The interaction of AKAP18δ with protein kinase A subunit
RIIα was demonstrated by FRET in HEK293 cells transformed with
expression vectors encoding AKAP18δ-CFP and RIIα-YFP fusion
proteins. This interaction was inhibited by membrane-permeable peptide
S-Ht31, a stearic acid-conjugated peptide derived from the RII binding
domain of AKAP Ht31.

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